

## INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/012472

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K35/78 A61P11/00 A61P31/04 A61P31/10 A61P31/16  
 A61P31/12 A61P1/02

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 A61K A61P

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, COMPENDEX, MEDLINE, EMBASE, BIOSIS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	GB 1 589 294 A (INVERNI DELLA BEFFA SPA) 13 May 1981 (1981-05-13) page 1, line 5 - line 15 page 2, line 7 - line 24; example 2 page 8, line 37 - line 50; claims 10,20 -----	1-15
X	US 2003/103914 A1 (LAWLOR THOMAS MARK) 5 June 2003 (2003-06-05) paragraphs [0017] - [0028] paragraph [0045] -----	1-15
X	FR 2 571 257 A (GROS PIERRE) 11 April 1986 (1986-04-11) page 2, line 2 - line 16 page 2, line 29 - page 3, line 5 abstract ----- -/-	1-15

 Further documents are listed in the continuation of box C. Patent family members are listed in annex.

## \* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority, claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

27 April 2005

Date of mailing of the international search report

14.07.2005

## Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 97/41137 A (UNIFOB; ANDERSEN, OEVIND, MOKSHEIM; HELLAND, DAG, EMIL; ANDERSEN, KNU) 6 November 1997 (1997-11-06) abstract page 9, line 26 - page 10, line 11 -----	1-15
X	US 5 650 432 A (WALKER ET AL) 22 July 1997 (1997-07-22) abstract column 2, line 9 - line 17; claims 8,9 -----	1-15
X	EP 1 317 928 A (THE NIKKA WHISKY DISTILLING CO., LTD) 11 June 2003 (2003-06-11) abstract paragraphs [0023] - [0026] -----	1-15
X	DATABASE WPI Section Ch, Week 199642 Derwent Publications Ltd., London, GB; Class B02, AN 1996-419777 XP002326320 & JP 08 205818 A (NONOGAWA SHOJI KK) 13 August 1996 (1996-08-13) abstract -----	1-15
X	US 5 370 863 A (BARNEY ET AL) 6 December 1994 (1994-12-06) abstract column 1, line 38 - line 59; table 1 -----	1-15
X	US 4 503 256 A (FOURIE ET AL) 5 March 1985 (1985-03-05) abstract column 24, line 47 - line 54 -----	1-15
X	DATABASE WPI Section Ch, Week 199614 Derwent Publications Ltd., London, GB; Class B03, AN 1996-136189 XP002326321 & JP 08 027005 A (POKKA CORP KK) 30 January 1996 (1996-01-30) abstract -----	1-15
X	DATABASE WPI Section Ch, Week 199650 Derwent Publications Ltd., London, GB; Class B04, AN 1996-502633 XP002326322 & JP 08 259452 A (LOTTE CO LTD) 8 October 1996 (1996-10-08) abstract -----	1-15

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International application No.  
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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1.  Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:
  
2.  Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
  
3.  Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1.  As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
  
2.  As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
  
3.  As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
  
4.  No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-15 (part)

### Remark on Protest

The additional search fees were accompanied by the applicant's protest.

No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-15 (part)

compositions containing ANTHOCYANOSIDES or a combination of ANTHOCYANOSIDES, procyanidins and floroglucinols and uses thereof for the treatment of diseases of the oral cavity/ upper respiratory tract

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2. claims: 1-15 (part)

compositions containing a combination of PROCYANIDINS and FLOROGLUCINOLS and uses thereof for the treatment of diseases of the oral cavity/ upper respiratory tract

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## INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/EP2004/012472

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
GB 1589294	A 13-05-1981	BE 858522 A1 DE 2740346 A1 DE 2808823 A1 ES 462175 A1 FR 2364030 A1 GR 61176 A1 JP 1648488 C JP 3014286 B JP 60011416 A JP 1275525 C JP 53062838 A JP 59053883 B PT 67009 A ,B US 4258055 A US 4413004 A		02-01-1978 09-03-1978 06-09-1979 01-11-1978 07-04-1978 03-10-1978 13-03-1992 26-02-1991 21-01-1985 31-07-1985 05-06-1978 27-12-1984 01-10-1977 24-03-1981 01-11-1983
US 2003103914	A1 05-06-2003	WO 02092028 A2		21-11-2002
FR 2571257	A 11-04-1986	FR 2571257 A1		11-04-1986
WO 9741137	A 06-11-1997	AU 2578997 A WO 9741137 A1		19-11-1997 06-11-1997
US 5650432	A 22-07-1997	AU 703158 B2 AU 5370096 A BR 9607939 A CA 2214464 A1 CN 1179104 A ,C EP 0814825 A1 JP 11502849 T NZ 513644 A WO 9630033 A1 US 5646178 A		18-03-1999 16-10-1996 30-11-1999 03-10-1996 15-04-1998 07-01-1998 09-03-1999 29-04-2003 03-10-1996 08-07-1997
EP 1317928	A 11-06-2003	AU 8452701 A CA 2421761 A1 EP 1317928 A1 NZ 524622 A US 2004014805 A1 CN 1474701 A WO 0222148 A1		26-03-2002 04-03-2003 11-06-2003 25-02-2005 22-01-2004 11-02-2004 21-03-2002
JP 8205818	A 13-08-1996	JP 3450080 B2		22-09-2003
US 5370863	A 06-12-1994	CA 2111375 A1 EP 0606599 A1 US 5455038 A		17-06-1994 20-07-1994 03-10-1995
US 4503256	A 05-03-1985	AT 24310 T AU 564457 B2 AU 8530782 A CA 1219278 A1 DE 3274735 D1 EP 0069536 A1 JP 58015937 A US 4578520 A ZA 8204694 A		15-01-1987 13-08-1987 06-01-1983 17-03-1987 29-01-1987 12-01-1983 29-01-1983 25-03-1986 25-05-1983

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Information on patent family members

International Application No

PCT/EP2004/012472

Patent document cited in search report	Publication date	Patent family member(s)		Publication date
JP 8027005	A 30-01-1996	JP	2901879 B2	07-06-1999
JP 8259452	A 08-10-1996	JP	3547835 B2	28-07-2004